

Application No. 09/554,414  
Reply to Office Action  
March 21, 2006

**REMARKS**

**Rejection under 35 U.S.C. §112, second paragraph**

The indefiniteness rejection of claims 32 and 42 has been rendered moot by amending claim 32 as suggested by the Examiner and to re-introduce the antecedent basis for claim 42 which was deleted by inadvertence in the last response.

**Rejection under 35 U.S.C. §112, first paragraph**

This rejection of claim 32 has been rendered moot by limiting this claim to a method of altering demethylation activity in an isolated human cell as suggested by the Examiner.

Applicant thus respectfully submits that, as amended, the claims of the application are properly enabled by the specification.

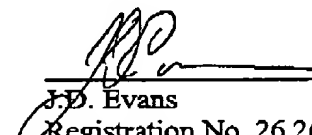
In view of the foregoing, the application is respectfully submitted to be in condition for allowance, and prompt, favorable action thereon is earnestly solicited.

If there are any questions regarding this amendment or the application in general, the Examiner is respectfully requested to telephone the undersigned at (202) 624-2845 so that such questions can be expeditiously resolved.

If necessary, this document should be construed as a Petition for an Extension of time sufficient to enable a timely response, and the Commissioner is hereby authorized to charge any needed fee to deposit account #05-1323 (Ref. 038630.48896US).

Respectfully submitted,

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